

Data Solutions for Federal Digital Transformation



Data is the “fabric” of digital transformation. As the amount of available data increases at an astonishing rate, agencies must move from simply owning data to sharing and leveraging the data. CGI’s advanced analytics and data solutions help agencies gain the full business value of their data.

Data solutions allow agencies to gain actionable insights that enhance decision making, improve coordination across business functions in their organization, increase transparency and maximize operational efficiency. However, agencies face fundamental challenges. Data silos, limited data standards, few skilled resources and a lack of cost-effective methods limit an organization’s ability to transform raw data into useful and actionable intelligence.

CGI ADVANCED ANALYTICS AND DATA SOLUTIONS

With CGI’s advanced analytics best practices, services and solutions, clients can harness data and transform it into actionable intelligence.

- **Data Advisory Services** to help organizations better harness and organize data. Our services include business needs assessment, data strategy roadmap, architecture planning and review, advanced integration and modeling techniques, and comprehensive review and advice on security and governance.
CGI has created an Analytics and AI Playbook that helps agencies define needs; develop domain/industry specific prototypes that create business value; provide a strategy with the skills, communication, processes and platform to create a company culture incorporating analytic and artificial intelligence solutions; shift value creation, build a competitive advantage, create in-house AI teams and partnerships through long term strategic planning.
- **Data Analytics Services** to help organizations extract maximum business value from data. Services include analytics delivered through agile techniques, machine learning for predictive and prescriptive analytics, Artificial Intelligence (AI) and Natural Language Processing (NLP) using Deep Learning, and large scale data visualizations.
- **Data Analytics Studio** platform accelerators for end-to-end, scalable data analytics, including rapid provisioning and automated deployment, comprehensive security and governance, industry blueprints and starter kits, and cloud-ready technology.



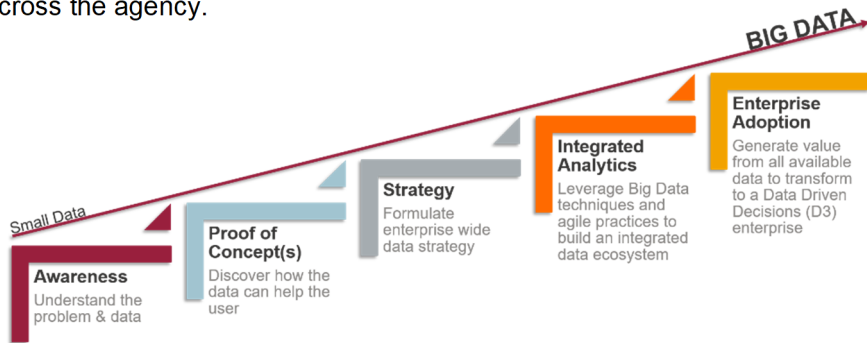
DATA SOLUTIONS AT A GLANCE

- Data Advisory Services
- Data Analytics Services
- Data Analytics Studio

“Agencies need to effectively harness their data and transform it into actionable intelligence that will help improve citizen services, increase transparency and achieve operational efficiencies.”

OUR DATA MATURITY MODEL

CGI's data scientists address the entire data lifecycle in building and executing solutions for federal government. In the initial **awareness** phase, we work closely with stakeholders to understand how the agency interacts with data and how it affects IT functions. We develop **proofs of concept** and outline **strategies** to help the agency access insights, respond to requirements shifts with greater speed, and drive more innovation. We leverage predictive and prescriptive **integrated analytics** to enhance decision-making and drive the right outcomes. Finally, we focus on **agency wide adoption**, in order to attain value from all available and existing data across the agency.



WHY CGI?

- CGI's business-oriented approach and maturity model helps customers implement and mature data and analytics functions that power digital transformation. Business and mission first, not technology.
- Business-oriented technology experts who understand customer priorities and impacts, and deliver tangible outcomes
- A global network of skilled professionals collaborating with commercial and government customers to integrate emerging data trends and drive holistic digital transformation
- Rapid response team engagement model, allowing for greater efficiency and quicker time to delivery. Using DevOps in a highly automated machine learning world
- Network of academic and industry partnerships, providing access to cutting edge research and emerging data techniques

Contact us to learn how CGI Federal's Advanced Analytics and Data Solutions can help your organization gain critical insights, improve services and operational efficiency, increase transparency and make informed decisions with reliable outcomes.

ABOUT CGI

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world. Operating in hundreds of locations across the globe, CGI delivers an end-to-end portfolio of capabilities, from strategic IT and business consulting to systems integration, managed IT and business process services and intellectual property solutions. CGI works with clients through a local relationship model complemented by a global delivery network to help clients achieve their goals, including becoming customer-centric digital enterprises.

For more information about **Advanced Analytics and Data Solutions at CGI Federal**, please contact digital@cgifederal.com.